

CLAIMS

1. A method for the activation of an information communication function by a remote device that can be connected to the Internet and to a telecommunication network, said device comprising means for implementing Internet protocols, signal processing means for the effective transmission of physical signals on the telecommunication network and an interface with the telecommunication network capable of detecting an incoming call, the method comprising a step of activation of said connectable device by a local or remote event and the connection to the Internet access provider in response to said activation step, characterized in that the method comprises a step of reading a temporary IP address assigned by the access provider during the connection step and:

either a step of transmission of said temporary IP address to an Internet terminal or a data processing system, followed by a step of reading WEB pages stored locally by said remote device by said Internet terminal or by said data processing system,

or a step of direct transmission of data by electronic mail between said remote device and an Internet terminal or a data processing system without prior transmission of the temporary IP address.

2. The method for the activation of an information communication function according to claim 1, characterized in that it comprises an initial step of verification of the incoming call by the remote device.

3. The method for the activation of an information communication function according to claim 1, characterized in that said step of verification of the incoming call by the remote device consists of ascertaining whether the identifier of the incoming call corresponds to a pre-registered identifier.

4. The method for the activation of an information communication function according to claim 1, characterized in that the event triggering the connection to the access provider is a clock.

5. The method for the activation of an information communication function according to claim 1, characterized in that the device comprises a Web page server for the preparation of a page comprising at least a pre-registered part and at least a part containing a variable updated by a measurement means associated with said device.

6. The method for the activation of an information communication function according to claim 1, characterized in that the device comprises an Internet integrated monolithic electronic component comprising an architecture of the DSP type (Digital Signal Processor) for connection to a telecommunication network and data exchange according to at least a part of the Internet protocols.

7. A device for the activation of an information communication function in accordance with the method according to claim 1, characterized in that it comprises a means for access to the Internet and implementation of Internet protocols, a means for access to a telecommunication network, and an interface with the telecommunication network capable of detecting an incoming call, as well as a means for detection of an incoming call and activation of the connection to an Internet access provider as well as a memory for registration of the temporary IP address assigned by the access provider during the connection step, and transmission of said temporary IP address to a remote Internet terminal or to a data processing system.

8. The device for the activation of an information communication device according to claim 7, characterized in that it comprises a memory for registering components of at least one web page.

9. The device for the activation of an information communication device according to claim 7, characterized in that it comprises a means for the creation of a web page comprising components recorded in random-access memory and components stemming from a data acquisition means associated or integrated with the device.

10. The device for the activation of an information communication device according to any one of claims 7 to 9, characterized in that it has an Internet integrated monolithic electronic component comprising an architecture of the DSP type (Digital Signal Processor) for connection to a telecommunication network and data exchange in accordance with at least part of the Internet protocols.

11. A method of activating an information communication function by a remote device that can be connected to the Internet and to a telecommunication network comprising:

activating the remote device by a local or remote event;

connecting the remote device to an Internet access provider in response to the activation;

reading a temporary IP address assigned by the access provider during the connection step, and

either a) transmitting the temporary IP address to an Internet terminal or a data processing system, and reading WEB pages stored locally by the remote device by the Internet terminal or by the data processing system, or

b) directly transmitting data by outgoing and/or incoming electronic mail between the remote device and an Internet terminal or a data processing system without prior transmission of the temporary IP address.

12. The method according to claim 11, wherein the remote device is selected from the group consisting of an electric meter, a water meter, a vending machine and a programmable automated dispensing machine.

13. The method according to claim 11, further comprising an initial step of verification of the incoming call by the remote device.

14. The method according to claim 13, wherein the step of verification of the incoming call by the remote device comprises ascertaining whether an identifier of the incoming call (e.g., the Caller ID or the telephone number) corresponds to a pre-registered identifier.

15. The method according to claim 14, wherein the identifier of the incoming call is a Caller ID or a telephone number.

16. The method according to claim 11, wherein the event triggering the connection to the access provider is a clock.

17. The method according to claim 11, wherein the remote device comprises a Web apge server for preparing a page comprising a least a pre-registered part and at least a part containing a variable updated by a measurement means associated with the remote.

18. The method according to claim 11, wherein the remote device comprises an Internet integrated monolithic electronic component comprising an architecture of the DSP type (Digital Signal Processor) for connection to the telecommunication network and data exchange according to at least a part of the Internet protocols.

19. The method according to claim 11, wherein the remote device comprises:

- means for access to the Internet and implementation of Internet protocols;
- means for access to the telecommunication network;
- an interface with the telecommunication network capable of detecting an incoming call;
- means for detection of an incoming call and activation of a connection to the Internet access provider; and
- a memory for registration of the temporary IP address and transmission of the temporary IP address to a remote Internet terminal or to a data processing system.

20. The method according to claim 19, wherein the remote device further comprises a memory for registering components of at least one web page.

21. The method according to claim 19, wherein the remote device further comprises means for creating a web page comprising components recorded in random-access memory and components stemming from a data acquisition means associated or integrated with the remote device.

22. The method according to claim 20, wherein the remote device further comprises an Internet integrated monolithic electronic component comprising an architecture of the DSP type (Digital Signal Processor) for connection to the telecommunication network and data exchange in accordance with at least part of the Internet protocols.